



03-15-05

LUD 5298.4 DIV (10105901)

16B7
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Name of Depositor:

Fani Malikouzakis

Signature of Depositor

Fani Malikouzakis

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Kohei MIYAZONO et al.
Serial Number : 09/903,068
Filing Date : July 11, 2001
For : ANTIBODIES WHICH BIND SPECIFICALLY TO
ACTIVIN RECEPTOR LIKE KINASES
Art Unit : 1647
Examiner : Robert S. Landsman
Confirmation No. : 1081

Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

LETTER RE SEQUENCES

SIR:

Responsive to the Notice dated March 2, 2005, please amend this application as follows:

IN THE SEQUENCES

Replace the current paper and diskette copies of the sequence listing by the attached.

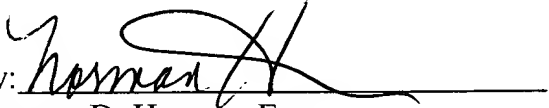
The undersigned hereby declares that, to the best of his knowledge the attached paper copy of sequence information and computer readable form thereof present information are identical to each other and to information in the application as filed. No new matter is believed presented.

REMARKS

These amendments are believed to address the Examiner's latest issues.

Respectfully submitted,

FULBRIGHT & JAWORSKI, L.L.P.

By: 
Norman D. Hanson, Esq.
Registration No. 30,946
666 Fifth Avenue
New York, New York 10103-3198

(212) 318-3000

(212) 318-3400 (fax)



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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P.O. Box 1450
Alexandria, Virginia 22313-1450.
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/903,068	07/11/2001	Kohei Miyazono	LUD-5298.4 DIV	1081
24972	7590	03/02/2005	EXAMINER	
FULBRIGHT & JAWORSKI, LLP 666 FIFTH AVE NEW YORK, NY 10103-3198			LANDSMAN, ROBERT S	
			ART UNIT	PAPER NUMBER
			1647	

DATE MAILED: 03/02/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

FULBRIGHT & JAWORSKI, LLP
NEW YORK DOCKETING

Docketed ☒ Not Required ☐

Previously ☐ Updated ☐

Docket No: NY-LUD 5298-054-DIV

Action: Dep. List Due

Reminder: 3-28-05

Date: Due/Done 4-2-05

Initials: RLA



UNITED STATES DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office

Address: COMMISSIONER FOR PATENTS

P.O. Box 1450

Alexandria, Virginia 22313-1450

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
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09/903068

7/11/01

Miyazono et al.

LUD - 5298.4 DIV

EXAMINER

Landsman

ART UNIT	PAPER
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1647

030105

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

The Paper Copy of the Sequence Listing has 48 sequences and the Electronic Copy only has 34. The disk containing the CRF which was submitted in April 2004 contained errors. See the attached "Raw Sequence Listing Error Report." Please submit a new disk.

This application contains sequence disclosures that are encompassed by the definitions for nucleotide and/or amino acid sequences set forth in 37 CFR 1.821(a)(1) and (a)(2). However, this application fails to comply with the requirements of 37 CFR 1.821 through 1.825 for the reason(s) set forth on the attached Notice to Comply With Requirements For Patent Applications Containing Nucleotide Sequence And/Or Amino Acid Sequence Disclosures.

Applicant is given ONE MONTH, or THIRTY DAYS, whichever is longer, from the mailing date of this letter within which to comply with the sequence rules, 37 CFR 1.821 - 1.825. Failure to comply with these requirements will result in ABANDONMENT of the application under 37 CFR 1.821(g). Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a). In no case may an applicant extend the period for reply beyond the SIX MONTH statutory period. Direct the reply to the undersigned. Applicant is requested to return a copy of the attached CRF Diskette Problem Report with the reply.

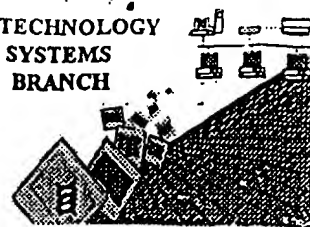
Advisory information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert Landsman whose telephone number is (571) 272-0888. The examiner can normally be reached on M-Th 9 AM-6 PM (eastern); alt F 9 AM-6 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brenda Brumback can be reached on 571-272-0961. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Robert Landsman
Primary Examiner
Art Unit: 1647


ROBERT S. LANDSMAN, PH.D.
PRIMARY EXAMINER



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

Source:

Date Processed by STIC:

US/09/903,068 B
FFW18
4/12/09

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT

MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORFUL SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efb/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03



IFW16

RAW SEQUENCE LISTING

DATE: 04/12/2004

PATENT APPLICATION: US/09/903,068B

TIME: 12:58:00

Input Set : A:\pto.ln.txt

Output Set: N:\CRF4\04122004\I903068B.raw

SEQUENCE LISTING

3 (1) GENERAL INFORMATION:

4 (i) APPLICANT: MIYAZONO, Kohei
5 TEN DIJKE, Peter
6 FRANZEN, Petra
7 YAMASHITA, Hidetoshi
8 HELDIN, Carl-Henrik

10 (ii) TITLE OF INVENTION: ACTIVIN RECEPTOR LIKE KINASES, PROTEINS
11 HAVING SERINE THREONINE KINASE DOMAINS,
12 AND THEIR USE

14 (iii) NUMBER OF SEQUENCES: 48

16 (iv) CORRESPONDENCE ADDRESS:

17 (A) ADDRESSEE: Fulbright & Jaworski L.L.P.
18 (B) STREET: 666 Fifth Avenue
19 (C) CITY: New York City
20 (D) STATE: New York
21 (E) COUNTRY: USA
22 (F) ZIP: 10103

24 (v) COMPUTER READABLE FORM:

25 (A) MEDIUM TYPE: Diskette, 3.25 inch, 1.44mb
26 (B) COMPUTER: IBM PS/2
27 (C) OPERATING SYSTEM: PC-DOS
28 (D) SOFTWARE: Wordperfect

30 (vi) CURRENT APPLICATION DATA:

C--> 35 (A) APPLICATION NUMBER: US/09/903,068B

C--> 36 (B) FILING DATE: 11-Jul-2001

66 (vii) PRIOR APPLICATION DATA:

39 (A) APPLICATION NUMBER: PCT/GB93/02367

40 (B) FILING DATE: November 17, 1993

43 (A) APPLICATION NUMBER: GB 9224057.1

44 (B) FILING DATE: November 17, 1992

47 (A) APPLICATION NUMBER: GB 9304677.9

48 (B) FILING DATE: March 8, 1993

51 (A) APPLICATION NUMBER: GB 9304680.3

52 (B) FILING DATE: March 8, 1993

55 (A) APPLICATION NUMBER: 9311047.6

56 (B) FILING DATE: May 28, 1993

59 (A) APPLICATION NUMBER: 9313763.6

60 (B) FILING DATE: July 2, 1993

63 (A) APPLICATION NUMBER: 9316099.2

64 (B) FILING DATE: August 3, 1993

67 (A) APPLICATION NUMBER: 321344.5

68 (B) FILING DATE: October 15, 1993

Does Not Comply
Corrected Diskette Needed

(pg. 2-3)

RAW SEQUENCE LISTING

DATE: 04/12/2004

PATENT APPLICATION: US/09/903,068B

TIME: 12:58:00

Input Set : A:\pto.ln.txt

Output Set: N:\CRF4\04122004\I903068B.raw

70 (viii) ATTORNEY/AGENT INFORMATION:
 71 (A) NAME: Norman D. Hanson
 72 (B) REGISTRATION NUMBER: 30,946
 73 (C) REFERENCE/DOCKET NUMBER: LUD 5298.4 DIV (10105901)
 75 (ix) TELECOMMUNICATION INFORMATION:
 76 (A) TELEPHONE: (212) 318-3000
 77 (B) TELEFAX: (212) 318-3400

ERRORED SEQUENCES

2295 (2) INFORMATION FOR SEQ ID NO: 34:
 2296 (i) SEQUENCE CHARACTERISTICS:
 2297 (A) LENGTH: 178 amino acids
 2298 (B) TYPE: 130 amino acid
 2299 (D) TOPOLOGY: linear
 2300 (ii) MOLECULE TYPE: peptide
 2301 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 34
 2302 Thr Arg Leu His Leu Cys His Cys Ser Arg Glu Val Gly Cys Asn Ala
 2303 5 10 15
 2304 Arg Thr Thr Gly Trp Val Pro Gly Ile Glu Phe Leu Asn Glu Thr Asp
 2305 20 25 30
 2306 Arg Ser Phe Tyr Glu Asn Thr Cys Tyr Thr Asp Gly Ser Cys Tyr Gln
 2307 35 40 45
 2308 Ser Ala Arg Pro Ser Pro Glu Ile Ser His Phe Gly Cys Met Asp Glu
 2309 50 55 60
 2310 Lys Ser Val Thr Asp Glu Thr Glu Phe His Asp Thr Ala Ala Lys Val
 2311 65 70 75 80
 2312 Cys Thr Asn Asn Thr Lys Asp Pro His Ala Thr Val Trp Ile Cys Cys
 2313 85 90 95
 2314 Asp Lys Gly Asn Phe Cys Ala Asn Glu Thr Ile Ile His Leu Ala Pro
 2315 100 105 110
 2316 Gly Pro Gln Gln Ser Ser Thr Trp Leu Ile Leu Thr Ile Leu Ala Leu
 2317 115 120 125
 2318 Leu Thr

E--> 2319

(130)

2466 (2) INFORMATION FOR SEQ ID NO: 47:
 2467 (i) SEQUENCE CHARACTERISTICS:
 2468 (A) LENGTH: 6 amino acids
 2469 (B) TYPE: amino acid
 2470 (D) TOPOLOGY: linear
 2471 (ii) MOLECULE TYPE: peptide
 2472 (v) FRAGMENT TYPE: internal
 2473 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 47:

E--> 2474 Xaa Pro Val Art Trp Thr

2475

Invalid(?)
 Amino Acid

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/903,068B

DATE: 04/12/2004

TIME: 12:58:03

Input Set : A:\pto.ln.txt

Output Set: N:\CRF4\04122004\I903068B.raw

L:31 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:32 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:35 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:35 M:238 W: Alpha Fields not Ordered, Reordered [(A) APPLICATION NUMBER:] of (1)(vi)
L:36 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:88 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:284 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:493 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:712 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:912 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1112 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1306 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1511 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1709 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1903 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1916 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1929 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1942 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1955 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1968 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1981 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1994 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:2319 M:203 E: No. of Seq. differs, LENGTH:Input:178 Found:130 SEQ:34
L:2354 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
L:2366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
L:2378 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0
L:2390 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
L:2402 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0
L:2414 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
L:2426 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0
L:2438 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0
L:2450 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0
L:2462 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0
L:2474 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0
L:2474 M:330 E: (2) Invalid Amino Acid Designator, 1
L:2486 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0

